



PATENT
ATTORNEY DOCKET NO.: 056222-5030-01

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:)
David LOAKES, et al.)
Application No.: 10/840,238) Group Art Unit: Unassigned
Filed: May 7, 2004) Confirmation No.: 7610
For: **IMPROVEMENTS IN OR RELATING TO INHIBITION OF VIRUSES**

Commissioner for Patents
MAIL STOP MISSING PARTS

RESPONSE TO NOTICE TO FILE MISSING PARTS

1. This replies to the Notice to File Missing Parts of Nonprovisional Application mailed July 13, 2004.

A copy of the Notice To File Missing Parts Of Nonprovisional Application is enclosed.

2. Declaration Or Oath

☒ No declaration or oath was filed. Enclosed are the (3) original Combined Declarations and Powers of Attorney.

☐ The specification attached to the declaration is a copy of the specification and any amendments thereto which were filed in the PTO to obtain the filing date.

☐ The declaration or oath which was filed was determined to be defective. A new original Combined Declaration and Power of Attorney is attached.

3. English Translation of Non-English Language Papers

☐ Submitted herewith is a verified English translation of the non-English language application papers as originally filed. It is requested that this translation be used as the copy for examination purposes in the PTO.

Also enclosed is the Verification of Translation Document.

4. Small Entity Status

☐ Small entity status under 37 C.F.R. § 1.27 is asserted for the present application.

10/14/2004 MBLANCO 00000001 500310 10840238
Sale Ref: 00000002 DHH: 500310 10840238
01 FC:2051 65.00 DA
02 FC:2251 55.00 DA

10/14/2004 MBLANCO 00000002 10840238
02 FC:2251 55.00 DA

5. Extension of Time

The proceedings herein are for a patent application and the provisions of 37 C.F.R. § 1.136(a) apply.

- ☒ Applicant petitions for an extension of time, the fees for which are set out in 37 C.F.R. § 1.17(a), for the total number of months checked below:

Total months requested	Fee for extension	[Fee for Small Entity]
<input checked="" type="checkbox"/> one month	\$ 110.00	\$ 55.00
<input type="checkbox"/> two months	\$ 430.00	\$215.00
<input type="checkbox"/> three months	\$ 980.00	\$490.00
<input type="checkbox"/> four months	\$1,530.00	\$765.00
<input type="checkbox"/> five months	\$2,080.00	\$1,040.00

Extension of time fee due with this request: \$55.00

If an additional extension of time is required, please consider this a Petition therefor.

- ☐ Applicant believes that no extension of time is required. However, in the event applicant has inadvertently overlooked the need for a petition and fee for extension of time, applicant hereby petitions for such an extension and requests that any fee therefor be charged to our Deposit Account No. 50-0310.

6. Assignment

- ☐ An assignment of the invention to _____ and a PTO Form-1595, Recordation Form Cover Sheet, are enclosed.

7. Fee Calculation

				Fee Code	
(Previously Paid) Basic Fee				\$385.00	1001/2001
	Number Filed	Number Extra	at a Rate of (Lg./Sm. Entity)		
Total Claims	32 - 20 =	12	\$18/\$9 each =	\$108.00	1202/2202
Independent Claims	1 - 3 =	0	\$88/\$44 each =	\$0.00	1201/2201
Multiple dependent claim(s), if any			\$290/\$145	\$145.00	1203/2203
SUB-TOTAL =				\$638.00	Previously Paid
Late Filing Surcharge Fee (37 C.F.R. § 1.16(e))			\$130/\$65	\$65.00	1051/2051
Extension Fee (37 C.F.R. § 1.17(a)(1)-(5))			\$110/\$55 (1 Month)		1251/2251
			\$430/\$215 (2 Months)		1252/2252
			\$980/\$490 (3 Months)		1253/2253
			\$1530/\$765 (4 Months)		1254/2254
			\$2080/\$1040 (5 Months)	\$55.00	1255/2255
SUB-TOTAL =				\$120.00	
Fee For Application Filed With A Non-English Specification (37 C.F.R. § 1.17(i) and § 1.52(d))			\$130.00	\$0.00	1053
Assignment Recordation Fee			\$ 40.00	\$0.00	8021
TOTAL FILING FEE =				\$120.00	

8. Fee Payment

- ☐ Enclosed is a check in the amount of \$_____ representing the total fee due.
- ☒ The Commissioner is hereby authorized to charge the total fee due to Deposit Account 50-0310.
- ☒ **Except** for issue fees payable under 37 C.F.R. §1.18, the Commissioner is hereby authorized by this paper to charge any additional fees during the entire pendency of this application including fees due under 37 C.F.R §1.16 and §1.17 which may be required, or credit any overpayment to Deposit Account No. 50-0310.

9. Additional papers enclosed.

- ☒ Preliminary Amendment
- ☐ Submission of Replacement Drawings with _ sheets of drawings
- ☐ Claim for Priority
- ☐ Certified copy of priority document
- ☒ Information Disclosure Statement
- ☒ Form PTO-1449, 12 references listed
- ☐ Declaration of Biological Deposit
- ☒ Submission of "Sequence Listing", computer readable copy and/or amendment pertaining thereto for biotechnology invention containing nucleotide and/or amino acid sequence.
- ☒ Other: Response To Notice Regarding Benefit/Priority Claim(s) Dated July 13, 2004

Respectfully submitted,

MORGAN, LEWIS & BOCKIUS LLP



Paul N. Kokulis Reg. No. 16,773

Date: October 13, 2004

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PATENT
Attorney Docket 056222-5030-US01

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

David LOAKES *et al.*

Application No.: 10/840,238

Filed: May 7, 2004

Group Art Unit: 1614

Examiner: *Unassigned*

For: Improvements in or Relating to Inhibition of Viruses

U.S. Patent and Trademark Office
2011 South Clark Place
Customer Window, Mail Stop Amendment
Crystal Plaza Two, Lobby, Room 1B03
Arlington, VA 22202

RESPONSE TO NOTICE OF MISSING PARTS

In response to the Notice of Missing Parts, an extension of time for response being submitted herewith, the applicants attach hereto the following:

- (1) three declarations as signed by the various inventors; and
- (2) an initial computer readable form (CRF) copy of the "Sequence Listing" with paper copy of the "Sequence Listing", Preliminary Amendment directing entry of the sequence IDs into the application and supporting statement.

It is believed that the attached represent a complete response to the Notice of Missing Parts. However, if anything more is needed, please advise.

Respectfully submitted

Morgan, Lewis & Bockius LLP

By 

Paul N. Kokulis

Registration No. 16,773

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UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
 United States Patent and Trademark Office
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 Alexandria, Virginia 22313-1450
 www.uspto.gov

APPLICATION NUMBER	FILING OR 371 (c) DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NUMBER
10/840,238	05/07/2004	David Loakes	056222-5030-US01

009629
 MORGAN LEWIS & BOCKIUS LLP
 1111 PENNSYLVANIA AVENUE NW
 WASHINGTON, DC 20004



CONFIRMATION NO. 7610
 FORMALITIES LETTER

 OC000000013218825

Date Mailed: 07/13/2004

NOTICE TO FILE MISSING PARTS OF NONPROVISIONAL APPLICATION

10/14/2004 MBLAND 00000002 500310 10840238 FILED UNDER 37 CFR 1.53(b)
 01 FC:2051 65.00 DA *Filing Date Granted*

Items Required To Avoid Abandonment:

An application number and filing date have been accorded to this application. The item(s) indicated below, however, are missing. Applicant is given **TWO MONTHS** from the date of this Notice within which to file all required items and pay any fees required below to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

- The oath or declaration is missing.
A properly signed oath or declaration in compliance with 37 CFR 1.63, identifying the application by the above Application Number and Filing Date, is required.
- To avoid abandonment, a late filing fee or oath or declaration surcharge as set forth in 37 CFR 1.16(e) of \$65 for a small entity in compliance with 37 CFR 1.27, must be submitted with the missing items identified in this letter.
- This application clearly fails to comply with the requirements of 37 CFR. 1.821-1.825. Applicant's attention is directed to the final rulemaking notice published at 55 FR 18230 (May 1, 1990), and 1114 OG 29 (May 15, 1990). If the effective filing date is on or after July 1, 1998, see the final rulemaking notice published at 63 FR 29620 (June 1, 1998) and 1211 OG 82 (June 23, 1998). If the effective filing date is on or after September 8, 2000, see the final rulemaking notice published in the Federal Register at 65 FR 54604 (September 8, 2000) and 1238 OG 145 (September 19, 2000). Applicant must provide an initial computer readable form (CRF) copy of the "Sequence Listing", an initial paper or compact disc copy of the "Sequence Listing", as well as an amendment directing its entry into the application. Applicant must also provide a statement that the content of the sequence listing information recorded in computer readable form is identical to the written (on paper or compact disc) sequence listing and, where applicable, includes no new matter, as required by 37 CFR 1.821(e), 1.821(f), 1.821(g), 1.825(b), or 1.825(d). If applicant desires the sequence listing in the instant application to be identical with that of another application on file in the U.S. Patent and Trademark Office, such request in accordance with 37 CFR 1.821(e) may be submitted in lieu of a new CRF.

For questions regarding compliance to these requirements, please contact:

- For Rules Interpretation, call (703) 308-4216
- To Purchase PatentIn Software, call (703) 306-2600
- For PatentIn Software Program Help, call (703) 306-4119 or e-mail at patin21help@uspto.gov or patin3help@uspto.gov

SUMMARY OF FEES DUE:

Total additional fee(s) required for this application is **\$65** for a Small Entity

- **\$65** Late oath or declaration Surcharge.

Replies should be mailed to: Mail Stop Missing Parts
Commissioner for Patents
P.O. Box 1450
Alexandria VA 22313-1450

*A copy of this notice **MUST** be returned with the reply.*



Customer Service Center
Initial Patent Examination Division (703) 308-1202

PART 2 - COPY TO BE RETURNED WITH RESPONSE



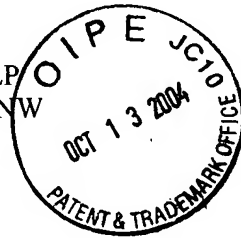
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APPLICATION NUMBER	FILING OR 371 (c) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
10/840,238	05/07/2004	David Loakes	056222-5030-US01

009629

MORGAN LEWIS & BOCKIUS LLP
 1111 PENNSYLVANIA AVENUE NW
 WASHINGTON, DC 20004



CONFIRMATION NO. 7610

OC000000013224353

Date Mailed: 07/13/2004

Notice Regarding Benefit/Priority Claim(s)

☐ Improper Benefit Claim(s) to Prior-Filed Nonprovisional Application(s)

The benefit claim(s) to prior-filed nonprovisional application(s) is improper because there is no specific reference for each prior-filed application that includes: (1) the identification of the prior-filed application by application number, or international application number and international filing date; and (2) a clear indication the relationship (i.e., continuation, divisional, or continuation-in-part) of the nonprovisional applications. For example, applicant should amend the specification to include a specific reference, such as "This application is a continuation of Application No. 10/---,--- filed ---," in the first sentence of the specification following the title.

Applicant should review each benefit claim submitted and, if appropriate, provide the proper reference to the prior-filed application(s) as required by 37 CFR 1.78. A proper relationship includes an identification of each nonprovisional application as a continuation, divisional or continuation-in-part application of the immediate prior-filed nonprovisional application for which a benefit is claimed under 37 CFR 1.78 in order to establish copendency throughout the entire chain of prior-filed applications. The specific reference must be included in the domestic priority information section of an application data sheet (37 CFR 1.76), or the specification must contain, or be amended to contain, such reference in the first sentence following the title.

Timeliness: The required reference for each benefit claim must be filed during the pendency of the instant application and within the later of: (1) four months from the actual filing date of the instant application, or the national stage commencement date if the instant application is a national stage application under 35 U.S.C. 371; or (2) sixteen months from the filing date of the prior-filed application. Failure to timely file the required reference is considered a waiver of any benefit claim, unless a grantable petition to accept an unintentionally delayed claim under 37 CFR 1.78(a), the surcharge set forth in 37 CFR 1.17(t), and the required reference are filed. See 37 CFR 1.78(a).

☐ Improper Benefit Claim(s) to Prior-Filed Nonprovisional Application(s)

The benefit claim(s) to prior-filed provisional application(s) is improper because the instant application was not filed within twelve (12) months from the filing date of the provisional application, and there is no indication of an intermediate nonprovisional application that is directly claiming the

benefit of the provisional application and filed within 12 months of the filing date of the provisional application. For example, applicant should amend the specification to include a specific reference, such as "This application is a continuation of Application No. 10/---,--- filed ---, which claims the benefit of U.S. Provisional Application No. 60/---,--- filed---." in the first sentence of the specification following the title.

Applicant should review each benefit claim submitted and, if appropriate, provide the proper reference to the prior-filed applications (including an indication of any intermediate nonprovisional application that is directly claiming the benefit of the provisional application and filed with 12 months of the filing date of the provisional application) as required by 37 CFR 1.78. The required reference must be included in the domestic priority information section of an application data sheet (37 CFR 1.76), or the specification must contain, or be amended to contain, such reference in the first sentence following the title.

Timeliness: The required reference for each benefit claim must be filed during the pendency of the instant application and within the later of: (1) four months from the actual filing date of the instant application, or the national stage commencement date if the instant application is a national stage application under 35 U.S.C. 371; or (2) sixteen months from the filing date of the prior-filed application. Failure to timely file the required reference is considered a waiver of any benefit claim, unless a grantable petition to accept an unintentionally delayed claim under 37 CFR 1.78(a), the surcharge set forth in 37 CFR 1.17(t), and the required reference are filed during the pendency of the instant application.

☐ **Improper Priority Claim(s) to Prior-Filed Foreign Application(s)**

The instant application was not filed within twelve (12) months from the filing date of the prior-filed foreign application, and there is no benefit claim to an intermediate nonprovisional application filed within 12 months of the filing date of the foreign application. Applicant should review each priority claim submitted and, if appropriate, provide the proper reference to any intermediate nonprovisional application filed within 12 months of the filing date of the foreign application in compliance with 37 CFR 1.78, or delete the priority claim. The required reference to an intermediate nonprovisional application must be included in the domestic priority information section of an application data sheet (37 CFR 1.76), or the specification must contain, or be amended to contain, such reference in the first sentence following the title.

Timeliness: The required reference for the benefit claim to an intermediate nonprovisional application must be filed during the pendency of the instant application and within the later of: (1) four months from the actual filing date of the instant application, or the national stage commencement date if the instant application is a national stage application under 35 U.S.C. 371; or (2) sixteen months from the filing date of the prior-filed application. Failure to timely file the required reference is considered a waiver of any benefit claim, unless a grantable petition to accept an unintentionally delayed claim under 37 CFR 1.78(a), the surcharge set forth in 37 CFR 1.17(t), and the required reference are filed.

☐ **Benefit Claims to More-Than 400 Prior-Filed Applications**

The Office's automated system to record and capture benefit claims is only capable of recording benefit claims for 400 prior-filed applications. Therefore, the Office is unable to generate a filing receipt containing benefit claims for more than 400 prior-filed applications even though applicant is entitled to submit benefit claims for more than 400 prior-filed applications. Accordingly, applicant should not request a corrected filing receipt to include benefit claims for more than 400 prior-filed applications.



Prior-Filed Nonprovisional Application has been Improperly Indicated as a National Stage (35 U.S.C. 371) Application

Applicant submitted a benefit claim to a prior-filed nonprovisional application and improperly indicated that the prior-filed application is a national stage application under 35 U.S.C. 371. The Office's records show that the prior-filed application is an application filed under 35 U.S.C. 111(a). The Office has entered the benefit claim to the prior-filed application as a benefit claim to an application filed under 35 U.S.C. 111(a). Any request for a corrected filing receipt to include the indication that the prior-filed application is a national stage application will not be granted unless applicant supplies evidence that the prior application was in fact a national stage application. Accordingly, applicant should not submit such request without such evidence. Applicant should submit an amendment (or an application data sheet (ADS) if the benefit claim was submitted in an ADS) to delete the indication that the prior-filed application is a national stage application.

For more information and examples on benefit claims, please see Claiming the Benefit of a Prior-Filed Application under 35 U.S.C. 119(e), 120, 121, and 365(c), 1268 Off. Gaz. Pat. Office 89 (March 18, 2003), which is available on the USPTO website at <http://www.uspto.gov/web/offices/com/sol/og/2003/week11/patbene.htm>, and the Manual of Patent Examining Procedure (MPEP) §§ 201.11 and 201.14.

PART 2 - COPY TO BE RETURNED WITH RESPONSE